

Amendments to the Claims:

Amend Claims 30, 35, 46, 47, and 48 as follows:

30. (Currently Amended) A device for examining materials comprising
a pulse generator for generating a pulse that can be introduced into the material,
at least one sensor configured for being positioned with respect to the material so as to detect the pulse, and
an electronic evaluation device for discriminating the pulse from interfering pulses, with the electronic evaluation device and the at least one sensor being integrated in a unitary structure ~~being positioned directly adjacent or integrated in said one sensor.~~

31. (Re-presented) The device of Claim 30, wherein the pulse is a mechanical and/or electrical pulse.

32. (Re-presented) The device of Claim 30 wherein the electronic evaluation device includes means for generating an electrical signal.

33. (Re-presented) The device of Claim 32 wherein the electrical signal is connected for transmission to a central unit.

34. (Re-presented) The device of Claim 33 wherein the central unit comprises a personal computer.

35. (Currently Amended) The device of Claim 30, wherein said device comprises a plurality of said sensors, and wherein

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an electronic evaluation device is ~~positioned directly~~
~~adjacent or~~ integrated with in each sensor as part of a
unitary structure.

36. (Re-presented) The device of Claim 35 wherein said sensors are electrically interconnected.

37. (Re-presented) The device of Claim 35 wherein each of the sensors is operatively connected to a central unit.

38. (Re-presented) The device of Claim 35 wherein each of the sensors is operatively connected to a central unit via a transmitter-receiver unit associated with each sensor.

39. (Re-presented) The device of Claim 35 wherein each of the sensors has a vibration damper associated therewith.

40. (Re-presented) The device of Claim 39 wherein each vibration damper is a piezoelectric element.

41. (Currently Amended) The device of Claim 35 wherein a transmission pin for detecting the pulse is associated with each sensor.

42. (Re-presented) The device of Claim 35 wherein a clock is associated with each sensor.

43. (Re-presented) The device of Claim 35 wherein an identification symbol is associated with each sensor.

44. (Re-presented) The device of Claim 35 wherein a storage for measurement results is associated with each sensor.

45. (Re-presented) The device of Claim 35 wherein a display for measurement results is associated with each sensor.

46. (Currently Amended) The device of Claim 35 wherein ~~each of said sensors includes a pulse generator~~ said pulse generator comprises means for introducing electrical pulses into the material being examined.

47. (Currently Amended) The device of Claim 35 wherein said pulse generator is mounted to at least one of said unitary structures ~~sensors mounts means~~ for introducing pulses to the said material being examined.

48. (Currently Amended) The device of Claim 47 wherein said pulse generator includes ~~means for introducing pulses~~ comprises a pin.

49. (Re-presented) The device of Claim 35 wherein said pulse generator comprises a hammer.

50. (Re-presented) The device of Claim 35 wherein each electronic evaluation device includes means for self calibration.

51. (Re-presented) The device of Claim 35 wherein each sensor is connected to a pull out measurement stick.

In re: Rinn
Appl. No.: 10/019,855
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Page 5

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52. (Re-presented) The device of Claim 35 wherein each sensor is connected to a rope with an angle display.

53. (Re-presented - formerly Claim ____) The device of Claim 35 further comprising an infrared or laser distance measuring instrument for measuring the position of each sensor.
